

2014 ASCENT COE Projects
NOI Request Summary as of February 28, 2015

	Title	Area	Funding	Selection
1	Alternative Jet Fuel Supply Chain Analysis	Alt fuels - Analysis	\$ 1,770,000	WSU, Purdue, U.Illinois, MIT, U.Tenn, and PSU
2	Ambient Conditions Corrections for Non-Volatile PM Emissions Measurements	Emissions	\$ 2,300,000	MS&T
3	Noise Impact Health Research	Noise	\$ 200,000	BU
4	Understanding and Estimating Aircraft Noise Transmission Indoors	Noise	\$ 150,000	GT, UW
5	Noise emission and propagation modeling	Noise	\$ 212,000	PSU, PU
6	Rotorcraft Noise Abatement Operating Conditions Modeling	Operations / Noise	\$ 250,000	PSU
7	Civil, supersonic over flight, sonic boom (noise) standards development	Noise	\$ 100,000	PSU
8	Noise Outreach	Noise	\$ 30,000	PSU
9	Aviation Noise Impact on Children's Learning	Noise	\$ -	None
10	Aircraft Technology Modeling and Assessment	Tools	\$ 550,000	GT, Stanford, Purdue
11	Rapid Fleet-wide Environmental Assessment Capability	Tools	\$ 600,000	GT, MIT
12	Aircraft Design and Performance Assessment Tool Enhancement	Tools	\$ 90,000	Stanford
13	ACCESS 2 Micro Physical Modeling with NASA	Alt Fuels - Analysis / Emissions	\$ 200,000	Stanford
14	CO2 Standard Technical Analysis Support	Emissions	\$ 720,000	MIT and GT
15	Cruise Altitude and Speed Optimization	Operations	\$ 150,000	MIT
16	Investigation and Support of Integration of Departure Metering Concepts into Surface Capabilities	Operations	\$ 170,000	MIT
17	Aviation Noise Impact on Sleep	Noise	\$ 103,000	U. Penn
18	Health Impacts Quantification for Aviation Air Quality Tools	Emissions	\$ 150,000	BU
19	Development of Aviation Air Quality Tools for Airport-Specific Impact Assessment: Air Quality Modeling	Emissions	\$ 200,000	UNC
20	Development of NAS wide and Global Rapid Aviation Air Quality Tools	Emissions	\$ 150,000	MIT
21	Improving Climate Policy Analysis Tools	Alt Fuels - Analysis / Emissions	\$ 150,000	MIT
22	Evaluation of FAA Climate Tools	Emissions	\$ 150,000	U.Illinois
23	Analytical Approach for Quantifying Noise from Advanced Operational Procedures	Operations / Noise	\$ 220,000	MIT, PSU
24	Emissions Data Analysis for CLEEN, ACCESS, and Other Recent Tests	Alt fuels - Testing	\$ 245,000	PSU, MIT
25	NPCJF Area 1- Chemical Kinetic Combustion	Alt fuels - Testing	\$ 330,000	Stanford
26	NPCJF Area2 -Chemical Kinetic Modeling	Alt fuels - Testing	\$ 200,000	Stanford
27	NPCJF Area 3 - Advanced Combustion Test	Alt fuels - Testing	\$ 470,000	GT, OSU, U.Illinois
28	NPCJF Area 4 - Combustion Modeling	Alt fuels - Testing	\$ 450,000	GT, Stanford, UDRI
29	NPCJF Area 5 -Atomization Testing	Alt fuels - Testing	\$ 350,000	Purdue, Stanford
30	NPCJF Area 6 - Referee Swirl Stabilized Combustor Evaluation	Alt fuels - Testing	\$ 350,000	UDRI, U.Illinois
31	Alternative Jet Fuel Test and Evaluation	Alt fuels - Testing	\$ 400,000	UDRI, WSU
32	Worldwide Life Cycle Analysis (LCA) of Greenhouse Gas (GHG) Emissions from Petroleum Jet Fuel	Alt fuels - Analysis	\$ 150,000	MIT
33	Alt jet fuel test data library	Alt fuels - Testing	\$ 100,000	UDRI, U. Illinois
34	NJFCP Area 7 - Coordination	Alt fuels - Testing	\$ 100,000	UDRI, U. Illinois
		Total:	\$ 11,760,000	